

Work Order ID 150049

Tuesday, August 23, 2016 11:16:00 AM

150049

Page 1

Item ID: D2611 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Bearing
 Start Date: 8/26/2016 Start Qty: 10.00 ***10*** Cust Item ID:
 Required Date: 9/9/2016 Req'd Qty: 10.00 ***10*** Customer:
 Reference: **DAS 21 9-89**

Approvals: Process Plan: **DAS 21 9-89** Date: **AUG 23 2016** Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2611	Rev C								
100	PURCHASING	0.00							DAS 13 9-89
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: 33481 Purchase part as per Dwg D2611 Possible supplier: McMaster or CTG								
	P/N: 63215K34 Material release note required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.03							
Packaging	Ensure certificate of conformity is attached								
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control									

10 AUG 30 2016

10x 8016-9-6

10

SEP 07 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Bearing

Start Date: 8/26/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 9/9/2016 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: Tool A

0.00

130

Packaging

Memo

0.02

Packaging

10 SEP 07 2016

DAS
6
9-89

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.17

Quality Control

DAS
21
9-89

SEP 07 2016

DAS
21
9-89
SEP 07 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Picklist Print

Tuesday, August 23, 2016 11:16:03 AM

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Work Order ID: 150049

150049

Parent Item: D2611

D2611

Parent Item Name: Bearing

Start Date: 8/26/2016

Required Date: 9/9/2016

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP Rev:B99.06.23Re-formatDM
Change to SS; Change Supplier- Rev.C 07.03.14 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
63215K34		Purchased		No			Each	0.0000		10			
63215K34									**				
Bearing													

10x 8p/6-9-6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

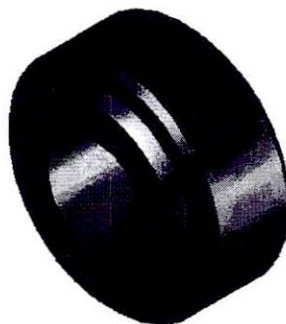
Work Order update only ☐

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Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					



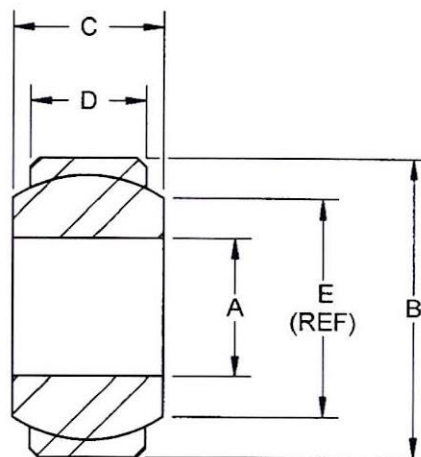
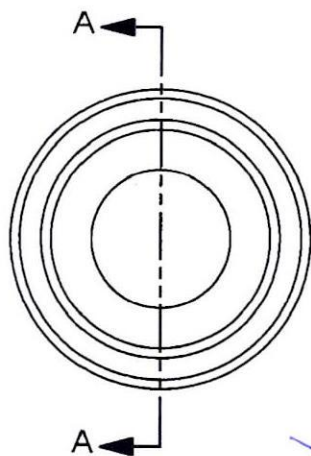
DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>#</i>	APPROVED <i>#</i>	DRAWING NO. D2611	REV. C SHEET 1 OF 1
DATE 06.09.20	TITLE BEARING		SCALE NTS
REV	DATE	DESCRIPTION	
A	97.07.31	NEW ISSUE	
B	01.07.04	RE-DRAWN	
C	06.09.20	CHANGE TO SS; CHANGE SUPPLIER	

SPECIFICATION CONTROL DRAWING



RELEASED

06.11.17 *#*



SECTION A-A

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 1500491M5
16-08-23

A	B	C	D	E (REF)	POSSIBLE SUPPLIER
0.375	0.813	0.406	0.313	0.592	McMASTER-CARR P/N 63215K34

NOTES:

- 1) STAINLESS STEEL BALL JOINT SWIVEL BEARING
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33481**

Purchase Order Date 8/30/2016

PO Print Date 8/30/2016

Page Number 1 of 6

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

AUG 30 2016

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via: Purolator ground ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M301S22GA	301 SS Sheet - Full hard McMaster p/n: 3543T77	9/16/2016 Yes 9/16/2016		6.00 sf	\$27.43	\$164.56

MATERIAL: AISI 301 SS SHEET FULL HARD
2B FINISH
AS PER AMS 5517/5518/5902/5519 OR ASTM A666
WITH MIN. FTU = 125 KSI & MIN FTY = 75 KSI
mcmaster p/n 3543T77

Line Total: \$164.56

2	63215K34	Bearing	9/2/2016 Yes 9/2/2016		10.00 Each	\$17.24	\$172.40
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AS PER DWG D2611 REV. C
B150049

Line Total: \$172.40

Sp/16-9-16

Note:

8/30/2016



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO33481

Order Placed By
Chantal Lavoie

McMaster-Carr Number
7924498-01

Page 1 of 1
08/30/2016

Line	Product	Ordered	Shipped
2	63215K34 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 3/8" ID, 13/16" OD, 13/32" Ball Thick	10 Each	10
3	97395A451 Corrosion Resistant Dowel Pin, Type 316 Stainless Steel, 1/8" Diameter, 3/4" Length, Packs of 10	5 Packs	5
4	6605K56 Hook and Loop Cable Ties, 24" Overall LG. , Meets UL 94V2, Packs of 5	2 Packs	2
5	91525A120 316 Stainless Steel Washer, Oversized, 1/4" Screw Size, 0.281" ID, 1" OD, Packs of 25	2 Packs	2
6	6718K52 303 Stainless Steel Indust-Shape Air Hose Coupling, Plug, 1/4 Coupling Size, 1/4 NPTF Female End	4 Each	4
7	92311A639 18-8 Stainless Steel Cup Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10	5 Packs	5
8	95606A170 Nylon Plastic Washer, for 7/16" Screw Size, 0.5" ID, 0.688" OD, Off-White, Packs of 100	1 Pack	1
9	7467A26 3M Adhesive Cartridge, DP460 High Strength Epoxy, 1.25 Ounces	12 Each	12
10	9438K1 Food-Grade Antiseize Lubricant, 1 lbs. Brush-Top Can	1 Each	1
11	6718K88 303 Stainless Steel Indust-Shape Air Hose Coupling, Size 3/8, Sleeve-Lock Socket, 3/8" ID	2 Each	2
12	91251A440 Black-Oxide Alloy Steel Socket Head Cap Screw, 1/4"-28 Thread, 3/4" Length, Packs of 50	1 Pack	1
13	47505A746 Nylon Mesh Sanding Belt for Cleaning, and Polishing, 6" Wide, 48" Long, Medium Grade	3 Each	3
14	4714A732 High Performance Multipurpose Sanding Belt, 80 Grit, 6" Wide, 48" Long	6 Each	6
15	4714A732 High Performance Multipurpose Sanding Belt, 120 Grit, 6" Wide, 48" Long	6 Each	6

Expected to ship

1	3543T77 High-Strength 301 Stainless Steel Sheet, with Certificate, Full Hard, 0.029" Thick, 12" X 36"	2 Each	2 to ship by 09/13
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Notes about your shipment

The U.S. Department of Transportation regulates the shipping of line 9. By purchasing from McMaster-Carr Supply Company, you agree not to transport or permit others to transport purchased items except in accordance with U.S. law and any other applicable laws.

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: cle.sales@mcmaster.com
Employer Identification Number (EIN): 36-1458720

Invoice: 77017772
Purchase Order: PO33481
Release:
McMaster-Carr Number: 7924498-01

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Ultimate Destination:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Shipped: 30-Aug-2016

FOB: ORIGIN

Shipper's Export Declaration (SED):
NO EEI 30.36

Intermediate Consignee:

Bill To:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Tax Number:

Forwarding Agent:

Billing
Attention:
Shipping
Attention:

Contact:

Line	Description	Qty & Unit	Unit Price	Extension
2	63215K34 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 3/8" ID, 13/16" OD, 13/32" Ball Thick Country of Origin: Peoples Republic of China Schedule B #: 848330 ECCN #: EAR99 NLR	10 EA	\$17.24	\$172.40
3	97395A451 Corrosion Resistant Dowel Pin, Type 316 Stainless Steel, 1/8" Diameter, 3/4" Length, Packs of 10 Country of Origin: United States Schedule B #: 731829 ECCN #: EAR99 NLR	5 PK	\$8.12	\$40.60
4	6605K56 Hook and Loop Cable Ties, 24" Overall LG. , Meets UL 94V2, Packs of 5 Country of Origin: United States Schedule B #: 392690 ECCN #: EAR99 NLR	2 PK	\$13.90	\$27.80
5	91525A120 316 Stainless Steel Washer, Oversized, 1/4" Screw Size, 0.281" ID, 1" OD, Packs of 25 Country of Origin: Taiwan Schedule B #: 731822 ECCN #: EAR99 NLR	2 PK	\$6.26	\$12.52
Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.				
These commodities, technology, or software were exported from the United States in accordance with Export Administration regulations. Diversion contrary to US law is prohibited.				

Shipping Weight (in kgs): 6

Number of Packages: 1

Invoice Amounts:

Merchandise Amount: \$1,042.51
Canadian GST/HST: \$137.77
Shipping Charges: \$17.33
Total (In USD): \$1,197.61

Package Dimensions:

44 X 44 X 32 CM = .063 CUBIC M

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Remit payment to:

(by wire transfer)

Bank of America

(by mail)

McMaster-Carr Supply Company

222 Broadway

PO Box 7690

New York, NY 10038

Chicago, IL 60680-7690 USA

Account 86666-02021

SWIFT BOFAUS3N

Authorized Signature:

Date:

30-Aug-2016

Name: Sarah Weinberg

Title: Operations Mgr.

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